

Amendments to the Claims

1.-20. (canceled)

Please add the following claims:

21. (new) A method of negotiating maximal data compression of a modem relay channel, comprising:
- determining a maximal data compression on a first leg;
 - notifying a gateway on a second leg of the maximal data compression on the first leg;
 - waiting until the gateway on the second leg has negotiated an end-to-end maximal data compression using the maximal data compression of the first leg; and
 - transmitting data using the end-to-end maximal data compression.
22. (new) The method of claim 21, further comprising delaying negotiations on the second leg until a maximal data compression on the first leg has been determined.
23. (new) The method of claim 21, further comprising storing the end-to-end maximal compression parameters in memory.
24. (new) The method of claim 23, further comprising using the end-to-end maximal compression parameters stored in memory to prevent renegotiation by either the first leg or the second leg.
25. (new) The method of claim 21, determining a maximal data compression on a first leg further comprising determining a maximal data compression on a called leg, and notifying a gateway on the second leg further comprising notifying a gateway on the calling leg prior to determining a maximal data compression on the second leg such that the maximal data compression from the called leg is used to negotiate a maximal data compression on the calling leg.
26. (new) The method of claim 25, the method further comprising delaying negotiations on the calling leg until notification is received from the called leg.
27. (new) The method of claim 21, determining a maximal data compression on a first leg further comprising negotiating a maximal data compression on a calling leg and determining a maximal data compression on a second leg further comprising determining a maximal data compression on a called leg.
28. (new) A network device, comprising:

a connector to allow the device to connect to a network and receive a signal from a remote gateway of a maximal data compression on a remote leg;

a local proxy negotiation mechanism to delay data compression negotiations until the signal is received;

a first-pass negotiation mechanism to negotiate a local maximal data compression based upon the maximal data compression on the remote leg; and

a signaling mechanism to signal the remote gateway that negotiations are complete.

29. (new) The network device of claim 28, further comprising a store to store an end-to-end maximal compression received from the remote leg.

30. (new) An article of computer-readable media containing a program that, when executed, causes a computer to:

determine a maximal data compression on a first leg;

notify a gateway on a second leg of the maximal data compression on the second leg;

waiting until the gateway on the second leg has negotiated an end-to-end maximal data compression using the maximal data compression of the second leg; and

transmitting data to the gateway on the second leg using the maximal end-to-end data compression.

31. (new) The article of claim 30, the program further causing the computer store the end-to-end maximal compression parameters in memory.

32. (new) The article of claim 30, the program further causing the computer to use the end-to-end maximal compression parameters stored in memory to prevent renegotiation by either the called leg or the calling leg.

33. (new) A network device, comprising:

a means for allowing the device to connect to a network and receive a signal from a remote gateway of a maximal data compression on a remote leg;

a means for delaying data compression negotiations until the signal is received;

a means for negotiating a local maximal data compression based upon the maximal data compression on the remote leg; and

a means for signaling the remote gateway that negotiations are complete.

34. (new) The network device of claim 33, further comprising a means for storing an end-to-end maximal compression received from the remote leg.